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I hereby certify that this correspondence is being deposited with the United States Postal Service on the date set forth below as First Class Mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date of Signature and Deposit: February 16, 2007

  
Sara D. Vinarov

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Tenneille E. Ludwig  
James A. Thomson

Date: February 16, 2007

Serial No.: 10/811,423

Group Art Unit: 1651

Filed: March 26, 2004

Examiner: Lora Elizabeth Barnhart

Title: PHYSIOCHEMICAL CULTURE CONDITIONS FOR EMBRYONIC STEM CELLS  
File No.: 960296.00050

Confirmation No.: 2623

RESPONSE

Mail Stop Amendment  
Commissioner for Patents  
P O Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to a non-final Office Action mailed October 16, 2006, in the file of the above-identified application, please amend the application as follows:

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 4 of this paper.

**Remarks** begin on page 6 of this paper.